ABSTRACT

A position-detecting device is provided. The optical position-detecting device essentially comprises a light-emitting source, a mask, and a light-detecting device, in which a plurality of grating-holes are provided on the mask for allowing of a projecting light source, generated by the light-emitting source, to pass therethrough, and the projecting light source passing through the grating-holes are then absorbed by a plurality of light-detecting element provided on the light-detecting device. Each light-detecting device is provided as a non-rectangular mode, while an interval space is existed between any two of adjacent light-detecting elements. The partially active area of one of the light-detecting elements is naturally provided at the vertical extension of the interval space, and thus diminishing disadvantages of misdetermination and low sensitivity of the light-detecting device induced by the presence of an interval space.